

HECEIVED-WATER SUPPL 2021 HAY 32 AM 8: 23

# 2020 CERTIFICATION

Consumer Confidence Report (CCR) South West Romkin WATER ASSN. INS 0610040 06/0026 List PWS ID #s for all Community Water Systems included in this CCR The Federal Safe Drinking Water Act (SDWA) requires each Community Public Water System (PWS) to develop and distribute a Consumer Confidence Report (CCR) to its customers each year. Depending on the population served by the PWS, this CCR must be mailed or delivered to the customers, published in a newspaper of local circulation, or provided to the customers upon request. Make sure you follow the proper procedures when distributing the CCR. CCR DISTRIBUTION (Check all boxes that apply.) INDIRECT DELIVERY METHODS (Attach copy of publication, water bill or other) DATE ISSUED Advertisement in local paper (Attach copy of advertisement) 5-19-2021 □ On water bills (Attach copy of bill) □ Email message (Email the message to the address below) □ Other DIRECT DELIVERY METHOD (Attach copy of publication, water bill or other) DATE ISSUED □ Distributed via U. S. Postal Mail □ Distributed via E-Mail as a URL (Provide Direct URL): \_ □ Distributed via E-Mail as an attachment □ Distributed via E-Mail as text within the body of email message □ Published in local newspaper (attach copy of published CCR or proof of publication) □ Posted in public places (attach list of locations) □ Posted online at the following address (Provide Direct URL): CERTIFICATION I hereby certify that the CCR has been distributed to the customers of this public water system in the form and manner identified above and that I used distribution methods allowed by the SDWA. I further certify that the information included in this CCR is true and correct and is consistent with the water quality monitoring data provided to the PWS officials by the MSDH, Bureau of Public Water Supply. Cert Operator 5-24-2021
Date SUBMISSION OPTIONS (Select one method ONLY) You must email, fax (not preferred), or mail a copy of the CCR and Certification to the MSDH. Email: water.reports@msdh.ms.gov Mail: (U.S. Postal Service) MSDH, Bureau of Public Water Supply P.O. Box 1700 **Fax:** (601) 576-7800 (NOT PREFERRED) Jackson, MS 39215

#### 2020 Annual Drinking Water Quality Report South West Rankin Water Association PWS#: 0610026 & 0610040 May 2021

2021 MAY 13 AM 8: 10

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Sparta Sand, Cockfield Formation and the Catahoula Formation Aquifers.

The source water assessment has been completed for our public water system to determine the overall susceptibility of its drinking water supply to identified potential sources of contamination. A report containing detailed information on how the susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the SW Rankin Water Association have received lower to moderate susceptibility rankings to contamination.

If you have any questions about this report or concerning your water utility, please contact Bradley Snell at 601.845.2440. We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the first Monday of each month at 7:30 PM at the office located at 201 South County Line Road, Florence, MS 39073.

We routinely monitor for contaminants in your drinking water according to Federal and State laws. This table below lists all of the drinking water contaminants that we detected during the period of January 1st to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table reflects the most recent results. As water travels over the surface of land or underground, it dissolves naturally occurring minerals and, in some cases, radioactive materials and can pick up substances or contaminants from the presence of animals or from human activity; microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm-water runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm-water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations and septic systems; radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. All drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. It's important to remember that the presence of these contaminants does not necessarily indicate that the water poses a health risk.

In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Action Level - the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Maximum Contaminant Level (MCL) - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal (MCLG) - The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL) – The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary to control microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG) — The level of a drinking water disinfectant below which there is no known or expected risk of health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

PWS ID#:	0610026	Ó	TE	ST RESUI	LTS				
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source of Contamination	
Microbiolo	gical Co	ontamin	ants						
1. Total Coliform Bacteria	N	April	Positive	3	NA	0	, p	ence of coliform acteria in 5% of conthly samples	Naturally present in the environmen
Inorganic (	Contam	inants	,						
10. Barium	N	2019*	.0396	.03640396	ppm	2	2	Discharge of di discharge from erosion of natu	metal refineries;
13. Chromium	N	2019*	13.6	5.3 – 13.6	ppb	100	100	Discharge from mills; erosion o	steel and pulp f natural deposits
14. Copper	N	2018/20	<sub></sub> 1	0	ppm	1.3	AL=1.3	Corrosion of ho systems; erosion deposits; leach preservatives	
17. Lead	N	2018/20	1	0	ppb	0	AL=15	Corrosion of ho systems, erosion deposits	ousehold plumbing on of natural

19. Nitrate (as Nitrogen)	N	2020	.21	.1621	ppm		10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Sodium	N	2019*	35000	34000 - 35000	) ppb		0	0	Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.
Disinfect	ion By-l	Produc	ts						
81. HAA5	N	2020	3	0-5	ppb	0			By-Product of drinking water disinfection.
Chlorine	N	2020	1.9	0 – 2.8	ppm	0	MDR		Water additive used to control microbes

<sup>\*</sup> Most recent sample. No sample required for 2020.

0 1 1 1	V2-1-4	T D-1		EST RESU		MCLG	MCL	1.310	
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Unit Measurement	MCLG	MCL	Likely Source (	of Contamination
Microbiolo	gical C	ontamir	ants	41					
1. Total Coliform Bacteria	N	April	Positive	3	NA		20	sence of coliform bacteria in 5% of monthly samples	Naturally present in the environment
Inorganic (	Contam	inants							
8. Arsenic	N	2020	2.8	.5 – 2.8	ppb	n/a	a 10	Erosion of natural deposits; rund from orchards; runoff from glass and electronics production waste	
10. Barium	N	2020	.0648	.01480648	ppm	į	2 2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
14. Copper	N	2018/20	<sub></sub> 3	0	ppm	1.3	3 AL=1.3	Corrosion of household plumbin- systems; erosion of natural deposits; leaching from wood preservatives	
17. Lead	N	2018/20	2	0	ppb		) AL=15	Corrosion of ho systems, erosion deposits	ousehold plumbing on of natural
Sodium	N	2019*	36000	35000 - 36000	ppb			1	ater Softeners and
Disinfection	n By-Pı	oducts	11					10	
81. HAA5	N :	2020 !	9	No Range	ppb	0		By-Product of drinking water disinfection.	
82. TTHM [Total trihalomethanes]	N :	2020 :	3.99	No Range	ppb	0 80		By-product of drir chlorination.	nking water
Chlorine	N :	2020	1.4	9- 2.1	ppm	0 M		L = 4 Water additive used to control microbes	

<sup>\*</sup> Most recent sample. No sample required for 2020.

### Microbiological Contaminants:

(1) Total Coliform/E Coli. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance period.

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead. The Mississippi State Department of Health Public Health Laboratory offers lead testing. Please contact 601.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More

information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1.800.426.4791.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1.800.426.4791.

The South West Rankin Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future.

Please note: This report will not be mailed to customers individually. It will be published in the local paper.

# AFFIDAVIT

# PROOF OF PUBLICATION

RANKIN COUNTY NEWS • P.O. BOX 107 • BRANDON, MS 39043

# STATE OF MISSISSIPPI **COUNTY OF RANKIN**

THIS 19TH DAY OF MAY, 2021, personally came Marcus Bowers, publisher of the Rankin County News,

2020 Annual Drinking Water Quality Report South West Rankin Water Association PWS#: 0810026 & 0610040 May 2021

ear's Annual Quality Water Report. This report is designed to inform you about the quality water and services we if goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the title water treatment process and protect our water resources. We are committed to ensuring the quality of your Irawing from the Sparta Sand, Cockfield Formation and the Catahoula Formation Aquifers.

en completed for our public water system to determine the overall susceptibility of its drinking water supply to instent. A report containing detailed information on how the susceptibility determinations were made has been ind is available for viewing upon request. The waits for the SW Rankin Water Association have received lower to

I report or concerning your water utility, please contact Bradley Snell at 601.845.2440. We want our valued water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on I PM at the office located at 201 South County Line Road, Florence, MS 39073.

ts in your drinking water according to Federal and State laws. This table below lists all of the drinking water the period of January 12s to December 31st, 2020. In cases where monitoring wasn't required in 2020, the table ater travels over the autrace of land or underground, it dissolves naturally occurring minaratis and, in some cases, substances or contaminants from the presence of animals or from human activity, microbial contaminants, such substances or contaminants from the presence of animals or from human activity, microbial contaminants, such substances or contaminants in substances or contaminants, such substances are substanced to the substance of th

and abbreviations you might not be familiar with. To help you better understand these terms we've provided the

itaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

he "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as e best available treatment technology.

LG) - The "Goel" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to

(MRDL) - The highest level of a disinfectant showed in drinking water. There is convincing evidence that addition of a

Goel (MRDLG) - The level of a drinking water disinfectant below which there is no known or expected risk of health, so use of disinfectants to control inforbial contaminants.

liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000

or billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000

	T	EST RESUL	TS						
Date bllected	Level Detected	Range of Detects or ≇ of Samples Exceeding MCL/ACL	Unit Measuremen	MGLG		MCL	Likely Source o	of Contamination	
amin	ants				_			THE RESERVE	
લા	Positive	3	NA		0	b	acteria in 5% of nonthly samples	Naturally present in the environment	
ints		(6)							
19*	.0396	.03640396	ppm		2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits		
19*	13:6	5.3 – 13.6	ppb	10	00	100	milis, erosion o	steel and pulp of natural deposits	
18/20	1	0	ppm	1	.3	AL=1,3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives		
18/20	1	0	ppb		0	AL#15	Corrosion of ho systems, erosion deposits	on of natural	
20	.21	.1621	ppm		10	10	Runoff from fe from septic to of natural dep	ertilizer use; leaching nks, sewage; erosion osits	
119"	35000	34000 - 35000	ppb		0		Road Salt, W	ater Treatment Vater Softeners and	
ucts									
I I		0-5	ppb	0		60	By-Product of di disinfection.	rinking water	
		0 20	nnm	0	ME	RL = 4	Water additive u	used to control	

a weekly newspaper printed and published in the City of Brandon, In the County of Rankin and State aforesaid, before me the undersigned officer in and for said County and State, who being duly sworn, deposes and says that said newspaper has been published for more than 12 months prior to the first publication of the attached notice and is qualified under Chapter 13-3-31, Laws of Mississippi, 1936, and laws supplementary and amendatory thereto, and that a certain

#### 2020 ANNUAL DRINKING WATER QUALITY REPORT

## SOUTH WEST RANKIN WATER ASSOCIATION

a copy of which is hereto attached, was published in said newspaper One (1) week, as follows, to-wit:

Vol 173 No. 45 on the 19th day of May, 2021

Marcus Bowers

MARCUS BOWERS, Publisher

Sworn to and subscribed before me by the aforementioned Marcus Bowers this 19th day of May, 2021

> nces Conour Notary Public FRANCES CONGER! My Commission Expires: January 25, 2022

PRINTER'S FEE:

\$465.00 3 column by 15.5 inch ad at \$10 per column inch......

OF MISS/80 Proof of Publication ....

3.00

TOTAL

NOTARY PUBLIC ID No. 28593 Commission Expires January 25, 2022

PANKIN COUNT

\$468.00

PWS 10#:-			T	EST RESUL	TS				11		
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Detects or # of Samples Exceeding MCL/ACL	Uriit Measurement		MCL	3	MCL	Likely Source of Contamination	
Microbiolo	gical C	ontami	ants							C vellens	Naturally present
1. Total Coliform Bacteria	N	April	Positive	3		NA		0	b	ance of coliform acteds in 5% of nonthly samples	in the environment
Inorganic (	Contam	inants		×							viii i i i i i i i i i i i i i i i i i
lo Barium	N	2019	.0396	.03640396	ppm			2	2	discharge from metal refineries; erosion of natural deposits	
13. Chromium	N	2019*	13.6	5.3 - 13.6	pph		1	00	100	mills; erosion of natural deposits	
14. Copper	N	2018/20	3	0	ррпп		1.3 AL		AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives	
17, Lead	N	2018/20	1	0	ppb	bbp		0	AL=15	Corrosion of household plumbin systems, erosion of natural deposits	
19, Nitrote (es. Nitrogen)	N	2020	21	16 - 21	ppr	n	10		10 Runoff from 1 from septic to of natural de		ertilizer use; leaching nks. sewage; erosion osits
Sodium	N	2019*	35000	34000 - 35000	ppk	ppb		0		Road Sall, W	ater Treatment later Softeners and
Disinfection	n Rv.P	roducts	-1	4							SPERMIN
et, HAA5	N	2020	3	0.5	ppb		0		60	By-Product of disinfection.	
Chloring	N	2020	1.9	0-2.8	ppm	ppm		0 MDRL = 4		Water additive used to control	

PWS ID#: 0	610040	)	T	EST RESUI			MCL	Law to Constant	Contamination
Contaminant	Violation Y/N	Date Collected	Level Detected	Range of Datects or # of Samples Exceeding MCL/ACL	Unit Measurement			Likely Source of Contamination	
Microbiolog	gical C	ontami	nants						restation of the same of the s
Total Coliform Sactoria	N	April	Positive	-3	NA	0	1 5	ence of collform sactoria in 5% of nonthly samples	Naturally present in the environmen
Inorganic C	lontam	inants					00		
a Arsenic	N	2020	2.8	.5 - 2.8	ppb	n/a	10	Erosion of natural deposits; run from orchards; runoff from glas and electronics production was	
10. Barium	N	2020	.0648	.01489545	ppm	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits	
14. Copper	N	2018/20	.3	0	ppm	1,3	AL=1.3	Corrosion of household plumbin systems, erosion of natural deposits, leaching from wood preservatives	
17, Lead	N	2018/20	2	0	ppb	0	AL=15		
Sodium	N	2019*	36000	35000 - 36000	ppb	0		Road Salt, Water Treatment Chemicals, Water Softeners and Sewage Effluents.	
Disinfection	By-P	roducts			-				
81. HAA5	N	2020	9	No Range	ppb 0		60	By-Product of drinking water disinfection.	
82 TTHM [Total Inhalomethanes]	N	2020	3 99	No Range	ppb	0	60	By-product of dri chlorination.	100.7
Chlorine	N	2020	1.4	9-2,1	ppm	O M	DRL = 4	Water additive u	sed to control

<sup>\*</sup> Most recent sample. No sample required for 2020.

(1) Total Coliform/E Coli. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be oresent or that a potential pathway exists through which contamination may enter the drinking water distribution system.

We are required to monitor your drinking water for specific contaminants on a monthly basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. In an effort to ensure systems complete all monitoring requirements, MSDH now notifies systems of any missing samples prior to the end of the compliance pariod.

If present, elavated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Our water system is responsible for providing high quality cricking water, but cennot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are contented about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotiline or at http://www.eps.gov/safewater/lead. The Mississippl State Department of Health Public Health Laboratory offers issed testing. Please contact 801.576.7582 if you wish to have your water tested.

All sources of drinking water are subject to potential contamination by substances that are naturally occurring or man made. These substances can be microbes, inorganic or organic chemicals and radioactive substances. All drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk, More

information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1,800,426,4791,

Some people may be more vulnerable to contaminants in drinking water than the general population, immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergoine organ transplants, people with HIV/AIDS or other immune system disorders, some citierty, and infents can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptoaporidium and other microbiological contaminants are smalleble grown the Sefe Parketine Market Mar available from the Safe Drinking Water Hottine 1 800 426 4791.

The South West Rankin Water Association works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. to discharge it will be published in the incel paper.

Innices Conque Notary Fu FRANCES CONGER My Commission Expires: January 25, 20,

PRINTER'S FEE:

MOTARY PURI 3 column by 15.5 inch ad at \$10 per column inch..... Proof of Publication ..... 女 Commission Expires January 25, 2022 PANKIN COUNT